



"cross tension test" spot welding fracture predic

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YJCM ASME - Journal of Engineering Materials and Technology, 2003 - link.aip.org

... load for the lap-shear and **cross tension test** samples ... Based on the **fracture** mechanism
a stress distribution is ... based failure criterion for the **spot weld** is then ...

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[PDF] • [Resistance Spot Welding of Coated High-Strength Dual-Phase Steels](#)

MD TUMULURU - Welding Journal, 2006 - aws.perusion.com

... Therefore, in a **cross-tension test** the frac- ture mechanism is ... stress development
in resist- ance **spot welds** of high ... Int'l Sheet Metal **Welding** Conference VIII ...

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Plastic Joining of Ultra High Strength Steel and Aluminium Alloy Sheets by Self Piercing ...

K Mori, T Kato, Y Abe, Y Ravshanbek - CIRP Annals-Manufacturing Technology, 2006 - Elsevier

... level with that of the **spot welding**, and the ... Measured strength of joint from
cross-tension test for lower ... fusion and solid state **welding**, International Journal ...

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Effect of **weld** nugget size on overload failure mode of resistance **spot welds**

M Pouranvari, HR Asgari, SM Mosavizadch, ... - Science and Technology of Welding & Joining, 2007 -
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... two equations for calculating failure load under two failure modes, interfacial
and pullout, in **cross-tension test** of **spot welds**, using **fracture** mechanics and ...

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FRACTURE PREDICTING DEVICE FOR SPOT WELDING PART, METHOD THEREOF, ...

H YOSHIDA, N NOMURA, A UENISHI - 2005 - [patents.ic.gc.ca](#)

... ABSTRACT: A **fracture** predicting device for a **spot** ... strength, a plate thickness, a
spot welding nugget diameter ... tension test based on a **cross tension test** and/or ...

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... and **weld** size on the mechanical behaviour of dissimilar AHSS resistance **spot welds**

BVH Hernandez, ML Kuntz, MI Khan, Y Zhou - Science and Technology of Welding & Joining, 2008 -
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... 5 **Cross-tension test** failures ... Microstructure and **weld** size on dissimilar AHSS resistance
spot welds Science and Technology of **Welding** and Joining 2008 VOL 13 ...

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Development of high-efficiency modeling technique for **weld**-bonded steel joints in vehicle ...

Y Xia, Q Zhou, PC Wang, NL Johnson, XQ ... - International Journal of Adhesion and Adhesives, 2009 - Elsevier

... approach has been proposed for **spot-weld** modeling, which ... and strength parameters into the **fracture** description [25]. ... the adhesive-bonded and **weld**-bonded joints ...

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Self-piercing riveting of high tensile strength steel and aluminium alloy sheets using ...

Y Abe, T Kato, K Mori - Journal of Materials Processing Tech., 2009 - Elsevier

... Due to large difference between the melting points of the steel and aluminium, the conventional resistance **spot welding** is not utilised for this joining. ...

[PDF] •Exploring the Mechanical Properties of **Spot Welded** Dissimilar Joints for Stainless and ...

M Alenius, P POHJANNE, M SOMERVUORI, ... - WELDING JOURNAL-NEW YORK-, 2006 - files.aws.org

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BH Chang, D Du, Q Chen, Y Zhou - Science and Technology of Welding and Joining, 2007 - mme.uwaterloo.ca

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